

## Task description

## Statistics

Programming language: Scala ▼

Human language: English ▼

Set S consists of numbers of the form  $2^P \cdot 3^Q$ , where P and Q are non-negative integers. Sequence A contains the elements of set S in ascending order. The first few elements of A are:

A[0]=1  
A[1]=2  
A[2]=3  
A[3]=4  
A[4]=6  
A[5]=8  
A[6]=9  
A[7]=12

Write a function:

```
object Solution { def solution(n: Int): Int }
```

that, given a non-negative integer N, returns the value A[N].

For example, given N=4 the function should return 6.

Assume that:

- N is an integer within the range [0..200].

In your solution, focus on **correctness**. The performance of your solution will not be the focus of the assessment.

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Link to this task: [codility.com/tasks/seq23/](https://codility.com/tasks/seq23/)